**WHAT IS CLAIMED IS:**

**CLAIM 1.** In a pulling tool for pulling off a rotor of a motor or a fan from a shaft, and the like, said pulling tool comprising an elongated screw having a first end and a second end, a housing with which said screw is threadingly received, said housing comprising a first open end through which threadingly passes said screw, and a second open end through which protrudes said second end of said screw, said housing comprising at least first securing means for releasably holding a fan, and the like, said first securing means comprising a plurality of hooked securing arm-members, each said arm-member having a first end and a second hooked end, said second end of each said arm-member being capable of being hung so as to protrude beyond said second open end of said housing, wherein the improvement comprises:

said housing comprising a first, relatively-narrower section having a first end constituting said first open end, and a second end; and a second, relatively-larger section having a first end connected to said second end of said first section, and a second end constituting said second open end of said housing; said first end of said second section comprising an annular surface portion; said annular surface portion having groove means formed therein for receiving said second end of said arm-members, whereby said arm-members may be suspended thereby.

**CLAIM 2.** The pulling tool according to Claim 1, wherein said groove-means comprises a continuous groove extending for a full 360 degrees about said annular surface.

**CLAIM 3.** The pulling tool according to Claim 1, wherein said groove-means comprises a plurality of separate, spaced-apart grooves extending about said annular surface.

**CLAIM 4.** The pulling tool according to Claim 3, wherein said plurality of grooves are equally-spaced apart about said annular surface.

**CLAIM 5.** The pulling tool according to Claim 4, wherein said plurality of separate, spaced-apart grooves are at least six in number.

**CLAIM 6.** The pulling tool according to Claim 1, further comprising second securing means comprising a plurality of rotatable bolts, and a plurality of holes formed in said housing for threadingly receiving said plurality of bolts, for releasably holding a rotor of a motor, and the like.

**CLAIM 7.** The pulling tool according to Claim 1, wherein said second section is circular in cross section.

**CLAIM 8.** The pulling tool according to Claim 1, wherein said first securing means comprises at least three arm-members with the first ends of said three arm-members being removably mounted in three said holes of said second plurality of holes; said first securing means comprising at least three bolts mounted in said first plurality of holes.

**CLAIM 9.** The pulling tool according to Claim 1, wherein each said arm-member comprises a main elongated portion, said first end having an acute-angle portion extending at an acute angle with respect to said main elongated portion, whereby each said arm is removably held in said groove means by said acute-angle portion, in order to substantially help prevent accidental removal of said first end therefrom.

**CLAIM 10.** The pulling tool according to Claim 9, wherein said groove means comprises an inner wall and an outer wall, and has a depth for receiving therein each said acute-angle portion of said first ends such that each said acute-angle portion of said first ends engagingly abuts against a respective portion of said inner wall, said respective portion of said inner wall helping to prevent each respective said first end from escaping said groove means.

**CLAIM 11.** The pulling tool according to Claim 1, wherein said inner wall forms part of the outer circumferential surface of said first narrower section of said housing.

**CLAIM 12.** A method of using a pulling tool for pulling off a rotor of a motor or a fan from a shaft, and the like, said pulling tool comprising an elongated screw having a first end and a second end, a housing with which said screw is threadingly received, said housing comprising a first open end through which threadingly passes said screw, and a second open end through which protrudes said second end of said screw, said housing comprising at least first securing means for releasably

holding a fan, and the like, said first securing means comprising a plurality of hooked securing arm-members, each said arm-member having a first end and a second hooked end, said second end of each said arm-member being capable of being hung so as to protrude beyond said second open end of said housing, said housing comprising a first, relatively-narrower section having a first end constituting said first open end, and a second end; and a second, relatively-larger section having a first end connected to said second end of said first section, and a second end constituting said second open end of said housing; said first end of said second section comprising an annular surface portion; said annular surface portion having groove means formed therein for receiving said second ends of said arm-members, said method comprising:

(a) inserting said first ends of said plurality of arm-members in said groove means; and

(b) slidingly moving said first ends in said groove means in order to achieve a desired spacing between said first ends, whereby said arm-members are spaced apart in an optimal fashion.

**CLAIM 13.** The method according to Claim 12, wherein said groove-means comprises a continuous groove extending for a full 360 degrees about said annular surface, said step (b) providing a substantially infinite spacing-adjustment capability between said arm-members.

**CLAIM 14.** In a pulling tool for pulling off a rotor of a motor or a fan from a shaft, and the like, said pulling tool comprising an elongated screw having a first end and a second

end, a housing with which said screw is threadingly received, said housing comprising a first open end through which threadingly passes said screw, and a second open end through which protrudes said second end of said screw, said housing comprising a first securing means for releasably holding a rotor of a motor, and the like, and second securing means for releasably holding a fan, and the like, said first securing means comprising a plurality of rotatable bolts and a first plurality of holes formed in said housing for threadingly receiving said plurality of bolts, and said second securing means comprising a plurality of hooked securing means, each said hooked securing means having a first end and a second hooked end, and a second plurality of holes for removably mounting said arm-members, said second end of each said arm-member being capable of being hung so as to protrude beyond said second open end of said housing, wherein the improvement comprises:

said housing comprising at least a first section having a circular cross section; said second plurality of holes being formed in said circular cross-section section; said second plurality of holes being equally spaced about said section.

**CLAIM 15.** The tool according to Claim 14, wherein said second plurality of holes comprises six holes spaced equidistantly apart about the circumference of said circular cross-section section.

**CLAIM 16.** The tool according to Claim 15, wherein said second securing means comprises at least three arm-members with the first ends of said three arm-members being removably mounted in

three said holes of said second plurality of holes, said three holes being alternate ones of said holes of said second plurality of holes.